

Title (en)  
SYSTEM AND METHOD FOR ACQUIRING PATIENT PHYSIOLOGICAL INFORMATION DURING AN MRI SCAN

Title (de)  
SYSTEM UND VERFAHREN ZUR ERFASSUNG PHYSIOLOGISCHER PATIENTENINFORMATIONEN WÄHREND EINER MRT-ABTASTUNG

Title (fr)  
SYSTÈME ET PROCÉDÉ PERMETTANT D'ACQUÉRIR DES INFORMATIONS PHYSIOLOGIQUES RELATIVES À UN PATIENT AU COURS D'UN EXAMEN IRM

Publication  
**EP 2699158 A4 20141015 (EN)**

Application  
**EP 12774696 A 20120417**

Priority

- US 201161477528 P 20110420
- US 201161478281 P 20110422
- US 2012033883 W 20120417

Abstract (en)  
[origin: WO2012145285A1] A system and method for monitoring patient physiological information during an MRI scan sequence is provided. The system includes a monitoring device configured to sense physiological information from a patient. The physiological information may include electrocardiograph signals, electro-anatomical mapping signals, or other information concerning a physiological condition of the patient. The system further includes a control circuit connected to receive signals from the monitoring device and to coordinate output of the electrode during an MRI scan.

IPC 8 full level  
**A61B 5/055** (2006.01); **A61B 5/00** (2006.01); **A61B 5/0402** (2006.01); **A61B 5/0408** (2006.01); **A61B 5/05** (2006.01); **A61B 5/06** (2006.01); **G01R 33/28** (2006.01); **G01R 33/567** (2006.01)

CPC (source: EP US)  
**A61B 5/055** (2013.01 - EP US); **A61B 5/25** (2021.01 - US); **A61B 5/318** (2021.01 - EP US); **A61B 5/7217** (2013.01 - EP US); **A61B 5/7285** (2013.01 - EP US); **A61B 5/7289** (2013.01 - EP US); **G01R 33/5673** (2013.01 - EP US); **A61B 5/061** (2013.01 - EP US); **G01R 33/285** (2013.01 - EP US)

Citation (search report)

- [X1] WO 03100450 A1 20031204 - ANAMI KIMITAKA [JP], et al
- [X1] WO 2007073576 A1 20070705 - BRAIN RES INST PTY LTD [AU], et al
- [X1] LAUFS H ET AL: "Recent advances in recording electrophysiological data simultaneously with magnetic resonance imaging", NEUROIMAGE, ACADEMIC PRESS, ORLANDO, FL, US, vol. 40, no. 2, 1 April 2008 (2008-04-01), pages 515 - 528, XP025924244, ISSN: 1053-8119, [retrieved on 20080116], DOI: 10.1016/J.NEUROIMAGE.2007.11.039
- [X1] ANAMI K ET AL: "Stepping stone sampling for retrieving artifact-free electroencephalogram during functional magnetic resonance imaging", NEUROIMAGE, ACADEMIC PRESS, ORLANDO, FL, US, vol. 19, no. 2, Pt 1, 1 June 2003 (2003-06-01), pages 281 - 295, XP002250227, ISSN: 1053-8119, DOI: 10.1016/S1053-8119(03)00048-X
- See references of WO 2012145285A1

Designated contracting state (EPC)  
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DOCDB simple family (application)  
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